

## Occurrences of some species of *Glycyphana* Burm. in North Thailand (*Coleoptera, Cetoniidae*)

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Within the frame of the Cesa Project entitled *Entomofauna of Old World* (EOW)<sup>1</sup>, the following information is evaluated. The following field records on the species of *Glycyphana* Burm. (*Cetoniidae*) from North Thailand were made by the authors in November-December of 2006. Three species of *Glycyphana* Burm., recorded in Chiang Mai, were observed during feeding on the flowers of *Mikania* sp. (*Asteraceae*) by day and by night. The food-plant has two possible species in North Thailand, namely, *M. cordata* (heartleaf hempvine) and *M. micrantha* (bittervine). These species may be distinguished by their corolla colouration and heads 7 to 7.5 mm long (*cordata*) versus 4.5 to 6 mm long (*micrantha*)<sup>2</sup>. As we were unable to determine the species during field work, we treat here the foodplant as *Mikania* sp. only (**Figs.1-3**). The plant, *M. micrantha*, is believed to have been introduced to India and several of the Pacific Islands in the 1940's. It has been reported as a weed in India, Bangladesh, Sri Lanka, Mauritius, Thailand, the Philippines, Malaysia, Indonesia, and Papua New Guinea. It is also present in the United States but is listed as a native weed by the Department of Agriculture (federal status of noxious weed).<sup>3</sup>

### ***Cetoniidae Leach, 1815***

Some *Cetoniini* species are known to be unpalatable to birds and other insectivorous animals, and it can hardly be doubted that the boldly contrasted colours of many species, such as *Glycyphana horsfieldi*, *G. tricolor*, are warning colours for advertising this inedible quality. Ultraviolet reflectance is a widely distributed phenomenon among certain families of *Coleoptera*. Patches of golden-yellow microtrichia on the elytra reflect strongly in *Glycyphana* species.<sup>4</sup>

<sup>1</sup> Announcement of Entomofauna of Old World.- *Cesa News* 31: 8.

<sup>2</sup> for more information vide: [http://www.hear.org/Pier/species/mikania\\_cordata.htm](http://www.hear.org/Pier/species/mikania_cordata.htm)

<sup>3</sup> more information: [http://www.columbia.edu/itc/cerc/danoff-burg/invasion\\_bio/inv\\_spp\\_summ/Mikania\\_micrantha.htm](http://www.columbia.edu/itc/cerc/danoff-burg/invasion_bio/inv_spp_summ/Mikania_micrantha.htm)

<sup>4</sup> See also: Pope,R.D. & H. E. Hinton,1977, A preliminary survey of ultraviolet reflectance in beetles. Biological Journal of the Linnean Society 9 (4): 331-348 [Published Online: 14 Jan 2008]



**Fig. 1-** Habitat of *Mikania* sp. (Asteraceae), the food-plant of the *Glycyphana* species (Cetoniidae). Thailand Chiang Mai, CMU 360m, 18 3 2006 photo A. Koçak (Cesa)



**Fig. 2-** *Mikania* sp. (Asteraceae) in blossom. Thailand Chiang Mai, CMU 360m, 6 11 2006 photo M.Kemal (Cesa)



**Fig. 3-** *Mikania* sp. (Asteraceae) in fruit. Thailand Chiang Mai, CMU 360m, 12 12 2006 photo M.Kemal (Cesa)

### ***Glycyphana* Burmeister, 1842**

*Glycyphana* Burmeister, 1842 (Handb. Ent., 3, 345); *Euryomia* Burmeister, 1842 (Handb. Ent., 3, 593); *Glycosia* Schoch, 1896 (Ent. Nachr. 22: 86).

The species of this genus are distributed in the Oriental Region.

### ***Glycyphana horsfieldi* (Hope, 1831) (Fig.4)**

*Cetonia horsfieldi* Hope, 1831 [in] Gray's Zool. Miscell. 1831, p. 25.

**Other synonyms:** *marginicollis* Gory & Percheron, 1833; *biargentata* Thomson, 1878; *aurulenta* Arrow, 1910; *chinensis* Mikic, 1967; *sylhetica* Miksic, 1970

This is the type species of the genus.

Range: India, Assam, Silhet, Manipur, Sikkim, Bhutan, Sri Lanka, Nepal, Myanmar (Bhamo), Thailand (Samoeng, Doi Pui, Chon Buri), Taiwan, China, Vietnam, Laos.

This species is reported here from Chiang Mai (North Thailand).

### ***Glycyphana tricolor* (Olivier, 1789)<sup>5</sup> (Fig.5)**

*Cetonia tricolor* Olivier, 1789, Ent. 1, 6, p. 88 pl. 12, fig. 116.  
*Glycosia plagiata* Schoch, 1896, Ent. Nachr. 1896: p. 86.

<sup>5</sup> Pisuth Ek-Amnuay, 2002, Beetles of Thailand Fascinating Insects vol.1. 408pp. Bangkok.

Range: Sri Lanka, India, Bengal, Sikkim, Myanmar, Thailand (Doi Saket, Wiang Pa Pao).  
This species is reported here from Chiang Mai (North Thailand).

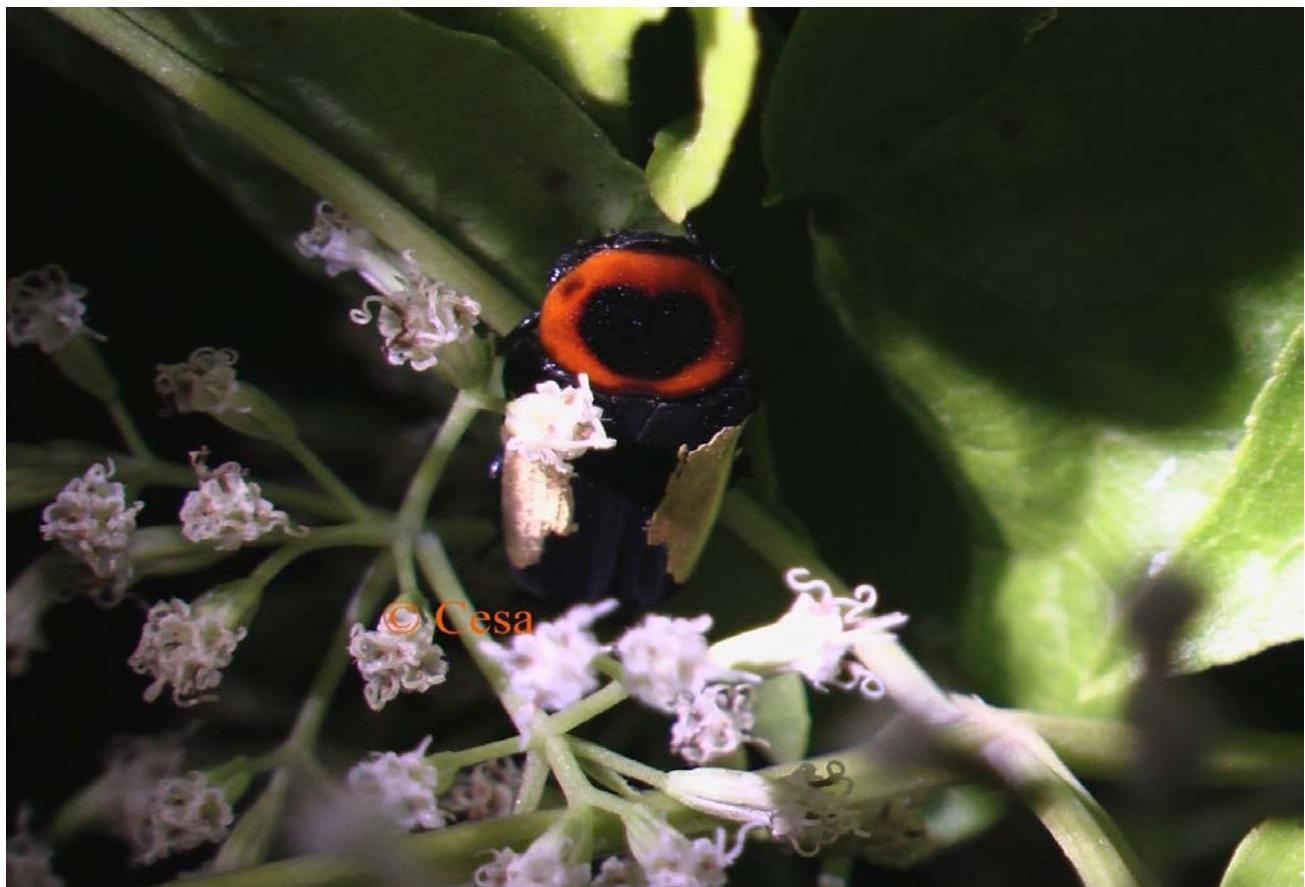
**Glycyphana nicobarica Janson, 1877 (Fig.6)**

*Glycyphana nicobarica* Janson, 1877, Cist. Ent. 2: 144. Type: Nicobar Islands.

Range: Nicobar Island, Thailand (Wiang Pa Pao, Doi Pha Hom Pok, Bang Khen), Laos.  
This species is reported here from Chiang Mai (North Thailand).



**Fig. 4-** *Glycyphana horsfieldi* feeding on *Mikania sp.* (Asteraceae) by day. Thailand Chiang Mai, CMU Campus, locality code: Cu07, 6 12 2006, photo M Kemal (Cesa)



**Fig. 5** - *Glycyphana tricolor* feeding on *Mikania* sp. (Asteraceae) by night. Thailand Chiang Mai CMU Campus, locality code: Cu07, 24 11 2006, photo M Kemal (Cesa)

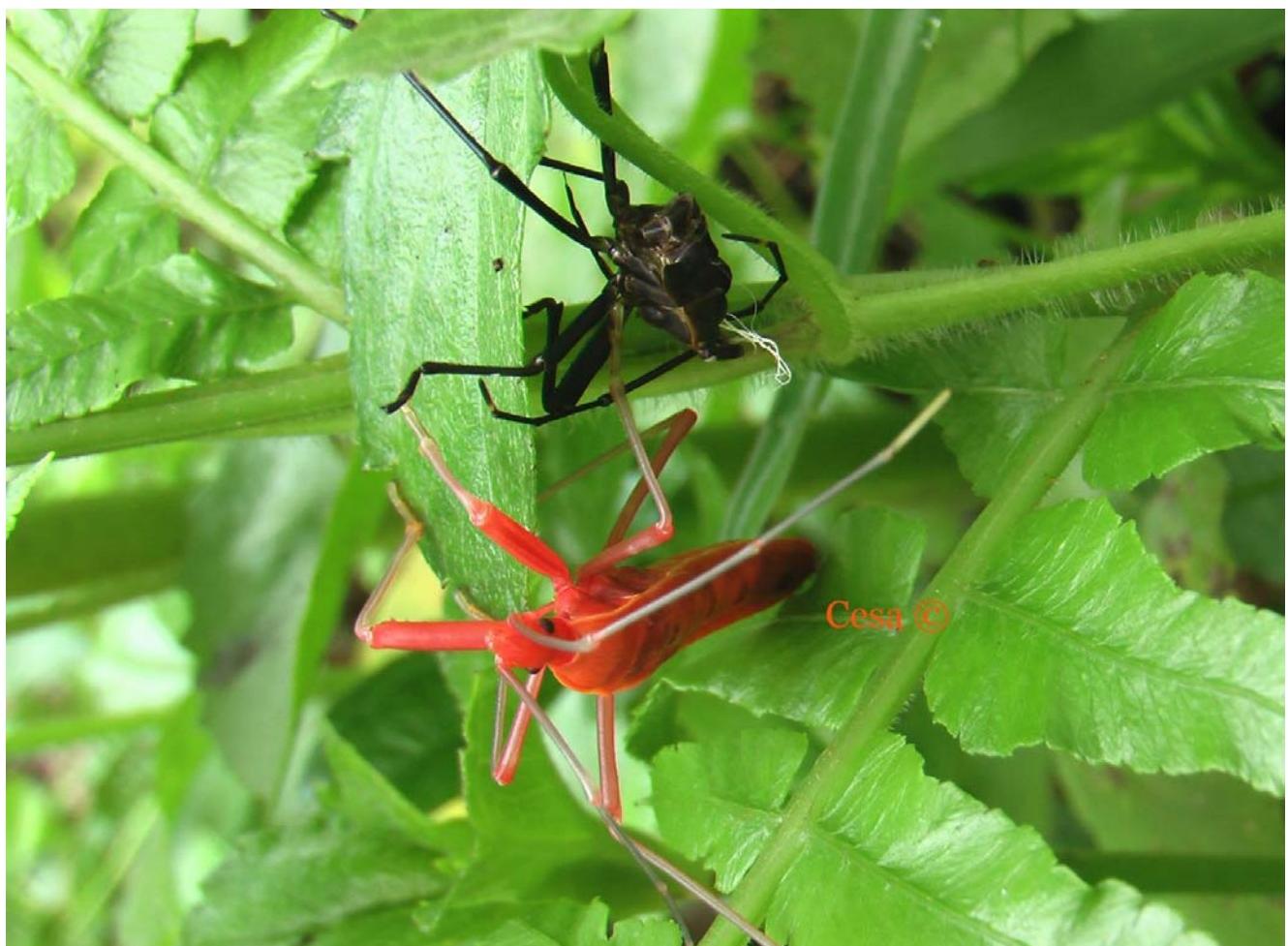


**Fig. 6** - *Glycyphana nicobarica* feeding on *Mikania* sp. (Asteraceae) by day. Thailand Chiang Mai University Campus, locality code: Cu07, 360m, 16 11 2006, photo M Kemal & leg (Cesa)

# *Macroceroea grandis* (Gray, 1832) in North Thailand (Hemiptera, Largidae)

Muhabbet Kemal Ahmet Ömer Koçak

Within the frame of the Cesa Project entitled *Entomofauna of Old World* (EOW)<sup>6</sup>, the following field record on the *Macroceroea* Spinola (Largidae) from North Thailand made by the authors in 2006.



**Fig. 1-** *Macroceroea grandis* (Largidae) newly emerged larger nymph with the previous skin, Thailand, Chiang Mai, Doi Saket, Huay Pa Toen village 435m, 9.4.2006 PV2 M Kemal (Cesa)

<sup>6</sup> Announcement of Entomofauna of Old World.- Cesa News 31: 8.



**Fig. 2-** *Macroceroea grandis* (Largidae) newly emerged larger nymph with the previous skin, Thailand, Chiang Mai, Doi Saket, Huay Pa Toen village 435m, 9 4 2006 PV2 M Kemal (Cesa)



**Fig. 3-** *Macroceroea grandis* (Largidae) male with elongated body and long antennae. Thailand, Chiang Mai, Doi Saket, Huay Pa Toen village 435m, 9 4 2006 PV2 M Kemal (Cesa)

***Macroceroea Spinola, 1837***

#*Macrocheraia* Lefebvre, 1834, in Guerin's Icon. Regn. Anim. PI. LVI, Fig. 3; *Macroceroea* Spinola, 1837, Essai Ins. Hem. 177; *Lohita* Amyot & Serville, 1843, Hemip. 266.

***Macroceroea grandis* (Gray, 1832) (Figs. 1-3)**

*Lygaeus grandis* Gray, 1832, In Griffiths' Anim. Kingd. XV, Ins.: 242, PI. XCII, Fig. 3. Type: India: Bengal.

*Macroceroea longicornis* Spinola, 1837, Essai Ins. Hem. 177.

*Lohita longissima* Stal, 1870, Enum. Flem. I: 98.

*Lohita grandis* var. *sumatrana* Distant, 1882, Entomologist's mon. Mag. 19: 158. Type: Indonesia: Sumatra [as subspecies].

**Range of the species:** India (Bengal, Calcutta, Assam), Myanmar (Tenasserim), Thailand, Vietnam, China, Philippines, Indonesia (Sumatra), Malaysia (Borneo).

This large species (length of the body more than 5cm) has sexual dimorphism. The antennae and the body of the male greatly elongated. It is a pest of cotton and okra (bhindi) in Bengal, and Assam (India).<sup>7</sup>

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## Entomofauna of Turkey (ET)

In the previous number of the Cesa News<sup>8</sup>, the Project of the Cesa, Entomofauna of Turkey (ET), was announced. No attempt is known on this subject, therefore the first temporary results given in the following table, should be considered as noteworthy.

Since 23 October 2008, 863 valid genera among the insect groups in Turkey (except *Lepidoptera*) have been checked up together with their synonyms and homonyms. The same act has been made for the 2503 valid species among the insects of Turkey. Total number of the genera and of the species (together with *Lepidoptera*) increased to 2625 and 7667, respectively.

Date of the report	Recorded valid genera (G)	Recorded valid species (S)	Previous records on Lepidoptera (G,S)	Total records of valid genera and species
18 11 2008	863	2503	1762G + 5164S	2625G+7667S
*				

\* Next results will be announced soon.

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<sup>7</sup> <http://www.cababstractsplus.org/google/abstract.asp?AcNo=19810588798>

<sup>8</sup> Cesa News 31: 7.

## Announcement

A partnership between AVAM and CESA has been established on 12th November, 2008.

*AVAM was established in 2<sup>nd</sup> October 2007 with the approval of Higher Education Commission of Turkey as an Application and Research Centre, part of the Rectorate of Yuzuncu Yıl University. The Research Centre understands the continents of Asia, Europe and Africa as one unit which relates with the continents of America and Oceania, and gives a special place to Anatolia. AVAM believes that the human history, culture and art can not analyze only from the viewpoint of Greece-Roman-Europe, rather through a multi axial viewpoint with interconnected entirety much better. In a frame of this perspective AVAM tries to establish a new practice about human historical, cultural and artistic understanding. In that way AVAM takes the mission to support and to present such national and international communications and researches. AVAM works in the area of social science and arts, but appreciates the results of natural sciences for its concerns.*

*AVAM, Yüzüncü Yıl Üniversitesi Rektörlüğü'ne bağlı bir Uygulama ve Araştırma Merkezi olarak, T.C. Yüksek Öğretim Kurulu'nun 02. 10. 2007 günü onay yazısıyla kurulmuştur. Asya, Avrupa ve Afrika'yı tek*

*bir büyük toprak parçası olarak kavrayan Araştırma Merkezi, bu toprak parçasını Amerika ve Okyanusya ile ilişkilendirir ve Anadolu'ya bu bütün içinde özel bir yer verir. İnsanlık tarihi, kültürü ve sanatı sadece Yunan-Roma-Avrupa merkezli bir anlayışla değil, organik bütünlük içinde çok eksenli bir anlayışla daha doğru olarak çözümlenebilir.*

*AVAM bu doğrultudaki bir kavrayış çerçevesinde, yeni bir anlayış perspektifi ile insanlık tarihi, kültürü ve sanatı ile ilgili yazımı yeniden inşa etmeye yönelik ulusal ve uluslararası ilişkileri ve araştırmaları destekleme ve yaymayı kendine varlık nedeni olarak belirlemiştir. Sosyal Bilimler ve sanat alanlarında çalışmalar yürüten AVAM, fen bilimleri alanında elde edilen sonuçları da kendi ilgi alanı içinde değerlendirir.*

### **THE PROGRAM FOR 2008- 2009 AVAM MEETING ASSIGNS**

The 2008 – 2009 Seminars as activities of AVAM will be taken place Fridays at 14.00 pm in the Centre Conference Room at the second floor of the Faculty of Fine Arts, Yüzüncü Yıl University, Van.

#### **P r o g r a m**

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## *Announcement on the forthcoming electronical publications of the Cesa*

Taking the recent progresses on the electronical publications in the Zoology (see ICZN- *Zootaxa* 1908: 57-67, 17 October, 2008) into consideration, the status of the scientific serials and other publications of the Cesa should be updated.

According to the new publication strategy of the Cesa, the scientific articles will be published in the following, exchangable serials as online access available to the readers. For this purpose, the previous exchange agreements will be revised and new agreements will be established with the entomological institutions, societies, museums of nature, and related departments of the universities in the World.

Currently available publications of the Cesa may be divided into two groups:

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